植 物 分 类 学 报 41(4): 393-394(2003)
Acta Phytotaxonomica Sinica

内蒙古顶冰花属(百合科)一新种

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A new species of *Gagea* (Liliaceae) from Nei Mongol, China

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Abstract A new species of the genus *Gagea* Salisb (Liliaceae) from Helanshan, Nei Mongol, China, *G. alashanica* Y. Z. Zhao & L. Q. Zhao, is described and illustrated. The new species is similar to *G. neopopovii* Goloskokov in the stigma capitate, tunic elongated upwards at apex, cylindric and amplexicaul, bulbel absent, cauline leaves 3-4, and flower not subtended by a leafy bract, but different by having two basal semi-fistulose leaves, and tunic shortly elongated, ca. 2.5 cm long.

Key words *Gagea* Salisb, *G. alashanica* Y. Z. Zhao & L. Q. Zhao, new species, Nei Mongol, China.

摘要 报道了产于贺兰山的顶冰花属(百合科)一新种——贺兰山顶冰花 *Gagea alashanica* Y. Z. Zhao & L. Q. Zhao。该种因柱头头状,鳞茎外皮上端向上延伸成圆筒状,抱茎,无附属小鳞茎,植物除基生叶外,茎上具有3-4枚附生叶,无明显总苞片而与新疆顶冰花 *G. neopopovii* Goloskokov 相似,但基生叶2枚,半圆筒形;鳞茎外皮向上延伸较短,长约2.5 cm,易于区别。

关键词 顶冰花属; 贺兰山顶冰花; 新种; 内蒙古; 中国

贺兰山顶冰花的模式标本(马毓泉 184)1963年采于贺兰山,在台纸上曾被鉴定为: *Lloydia triflora* Baker 和 *Gagea pauciflora* Turcz.《内蒙古植物志》第一版(8: 172. 1985)和第二版(5: 457. 1994)产于贺兰山的 *G. pauciflora* 的依据标本中包括了本新种的标本。在重新鉴定研究内蒙古顶冰花属的过程中,发现该标本是一新种。

贺兰山顶冰花 新种 图1

Gagea alashanica Y. Z. Zhao & L. Q. Zhao, sp. nov. Fig. 1

Species affinis *G. neopopovii* Goloskokov, sed foliis basilaribus 2 semifistulosis, tunica breviter elongata, circ. 2.5 cm longa differt.

Herba perennis, omnino glabra. Bulbus ovatus, circ. 5 mm diam., tunica breviter elongata, circ. 2.5 cm longis. Caulis circ. 12 cm altus. Folia basilaria 2, semifistulosa, 10-14 cm longa, circ. 1 mm diam.; folia caulina 3, alterna, linearia, 7-20 mm longa, 1-2 mm lata, basi dilatata. Flos solitarius, terminalis; pedicellus circ. 15 mm longus; tepala 6, oblongo-lanceolata, circ. 12 mm longa, circ. 3 mm lata, apice acuta; stamina circ. 6 mm longa, antheris oblongis circ. 1 mm longis; stylus circ. 3 mm longus; stigma capitatum. Capsula obovoidea, circ. 6 mm longa.

China. Nei Mongol (内蒙古): Helanshan Mt. (贺兰山), in rocky fissure, alt. 3500 m, 1963-07-25, Y. C. Ma (马毓泉) 184 (holotype, here designated, HIMC).

多年生草本,全株无毛。鳞茎卵形,直径约5 mm,鳞茎皮向上延伸,长约2.5 cm。茎高约12 cm。基生叶2枚,半圆筒形,长10-14 cm,直径约1 mm;茎生叶3枚,互生,条形,

2002-07-19 收稿, 2003-03-04 收修改稿。

长 7－20 mm,宽 1－2 mm,基部加宽。花单生;花梗长约 15 mm;花被片 6,长圆状披针形,长约 12 mm,宽约 3 mm,先端急尖;雄蕊长约 6 mm;花药长圆形,长约 1 mm;花柱长约 3 mm;柱头头状。蒴果倒卵球形,长约 6 mm。

本种与新疆顶冰花 *G. neopopovii* Goloskokov 因柱头头状,鳞茎外皮上端向上延伸成圆筒状,抱茎,无附属小鳞茎,植物除基生叶外,茎上具有 3－4 枚附生叶,无明显总苞片而相似,但基生叶 2 枚,半圆筒形;鳞茎外皮向上延伸较短,长约 2.5 cm,易于区别。

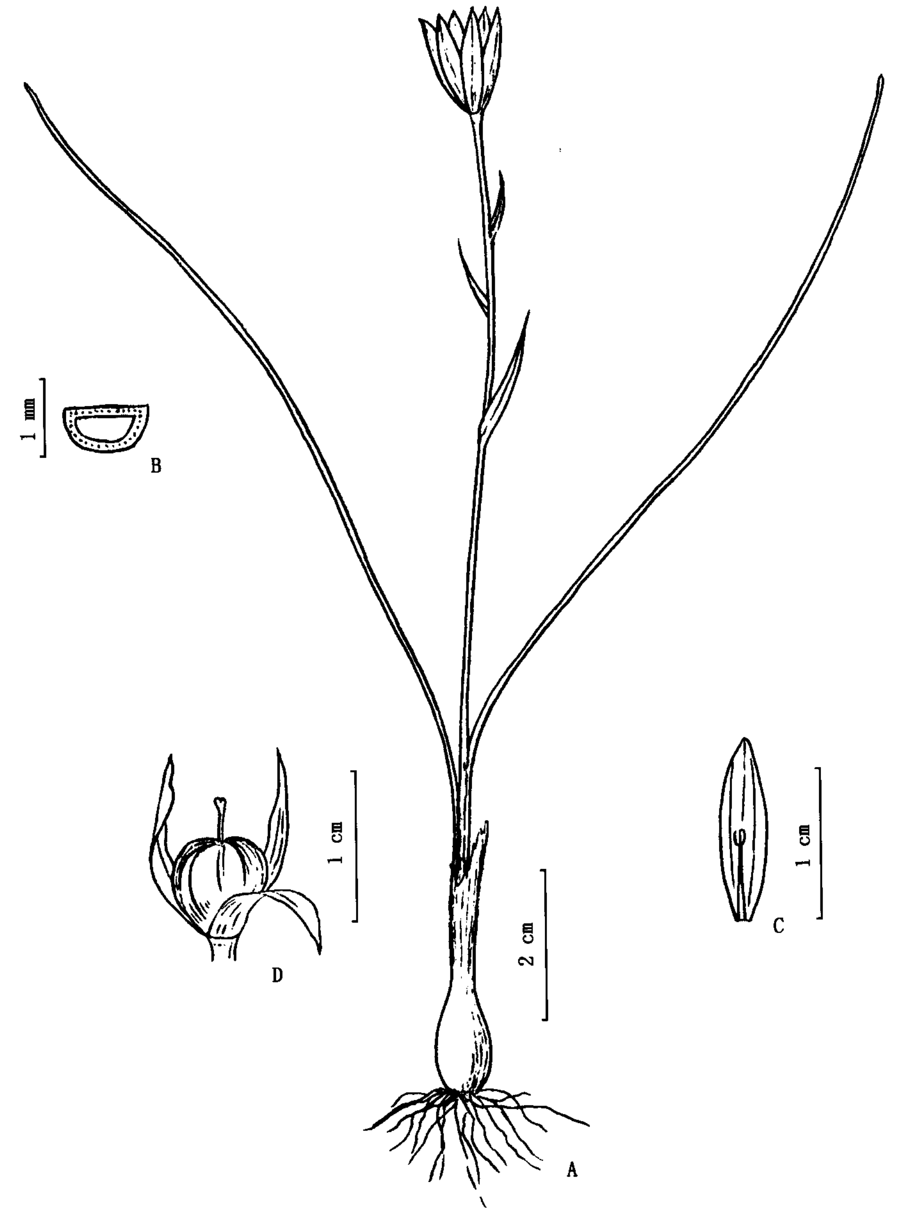


图 1　贺兰山顶冰花　A, 植株; B, 基生叶横切面; C, 花被片与雄蕊; D, 蒴果和部分宿存花被片。(鲍红英根据马毓泉 184 号标本绘)

Fig. 1.　*Gagea alashanica* Y. Z. Zhao & L. Q. Zhao.　A, plant; B, transverse section of basal leaf; C, tepal and stamen; D, capsule and partial persistent tepal. Drawn by H. Y. Bao from the type gathering, Y. C. Ma 184.